

REMARKS

Claims 1-10, 12-16 and 18 are pending. Claims 7-9 and 16 are allowed. By this response, claims 1-5, 10, 12-15 and 18 are amended. Claims 11, 17 and 19 have been cancelled without prejudice or disclaimer. Reconsideration and allowance based on the above amendments and following remarks are respectfully requested.

Applicant appreciates the indication of claims 7-9 and 16 as being allowed. For at least reasons set forth below, applicant respectfully submits that all pending claims define over the prior art.

The Examiner rejects claims 1-4, 10-14 and 17-19 under 35 U.S.C. §102(e) as being anticipated by Murayama, et al. (U.S. Patent No. 6,346,936) and claims 4-6 and 15 under 35 U.S.C. §103(a) as being unpatentable over Murayama, et al. in view of Nishino Kenji (JP 06-121195). These rejections are respectfully traversed.

Independent claim 1 is directed to an image display apparatus. As amended, the image display apparatus of claim 1 comprises: an image signal processing circuit receiving an image signal and processing the image signal for display as an image; an image display unit receiving the image signal processed by the image signal processing circuit, and displaying the processed image signal as an image on a screen; and a control circuit receiving said image signal from said image signal processing circuit and varying a frequency characteristic of the image signal in a periodic manner.

Thus, the image display apparatus of claim 1, as amended, includes a control circuit that receives an image signal from the image signal processing circuit and varies the frequency characteristic of the image signal in a periodic manner. Regarding Murayama, the Office Action notes that "RGB drivers 20R, 20G and 20B represents a signal processing circuit having a function of performing processing such as clamp, gamma, amplitude, bias adjustment, etc. on the R, G, B signals respectively." (Office Action, page 3, lines 4-6). Applicant submits, however, that there is no disclosure or suggestion in Murayama that the RGB drivers 20R, 20G and 20B vary the frequency characteristic of the image signal in a periodic manner. Furthermore, the Examiner's reliance on the secondary reference (Kenji) in rejecting certain claims fails to make up for this deficiency. Consequently, applicant respectfully submits that Murayama fails to anticipate claim 1 and that the asserted combination of Murayama and Kenji (assuming these references may be combined, which applicant does not admit) fails to establish prima facie obviousness of claim 1, or any claim depending therefrom. Furthermore, independent claim 12 and its dependent claims define over the applied prior art at based on similar reasoning that is set forth above with regard to claim 1.

Dependent claims 5, 6 and 15 define over the applied prior art at least based on their dependency from claims 1 and 12, respectively, as well as on their own merits. Claims 5 and 15 specify that the image signal is passed through a variable inductance element and that the frequency characteristic of the image

signal is varied by varying the inductance value of the variable inductance element in a periodic manner. Applicant submits that this additional feature further defines over the applied prior art.

Independent claim 10 (rewritten in independent form) is directed to an image display apparatus. The image display apparatus of claim 10 comprises: an image signal processing circuit receiving an image signal and processing the image signal for display as an image; an image display unit receiving the image signal processed by the image signal processing circuit, and displaying the processed image signal as an image on a screen; and a control circuit receiving said image signal from said image signal processing circuit and varying a waveform characteristic of the image signal in a periodic manner. The apparatus of claim 10 further comprises a control unit that determines a resolution of the image signal and activates the control circuit, depending on the resolution.

According to amended claim 10, as well as method claim 18, resolution of the image signal is determined and a waveform characteristic of the image signal is varied depending on the resolution. For example, in case of high resolution, there is a need to reduce undesired radiation by periodically varying the waveform characteristic of the image signal because of a high level of undesired radiation. Furthermore, even when the waveform characteristic of the image signal is periodically varied, there will be no noticeable image change resulting therefrom. On the other hand, in the case of low resolution, there is little need to reduce the undesired radiation because of its low level. If the waveform characteristic of the

image signal is periodically varied, there will be noticeable image change resulting therefrom. Thus, in accordance with the invention defined by claims 10 and 18, it is possible, for example, to suppress the level of undesired radiation by periodically varying the waveform characteristic of the image signal as a function of resolution, such as to suppress the degradation image without varying the waveform characteristic of the image signal in case of low resolution. In other words, it becomes possible to obtain the effect that an appropriate operation performance is achieved in both cases of low and high resolution. (see e.g., page 13, line 27 – page 14, line 11 of the specification).

In contrast, Murayama fails to disclose or suggest the operation of determining a resolution of the image signal and periodically varying the waveform characteristic of the image signal depending on the resolution. Furthermore, the applied secondary reference failed to make up for this deficiency of Murayama.

In view of the above, applicant respectfully requests reconsideration and withdrawal of the Examiner's prior art rejections.

Conclusion

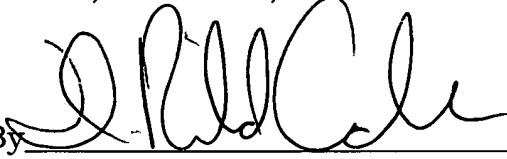
For at least these reasons, it is respectfully submitted that claims 1-6, 10-15 and 17-19 are distinguishable over the cited references. Favorable consideration and prompt allowance are earnestly solicited.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Chad J. Billings (Reg. No. 48,917) at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By 
D. Richard Anderson, #40,439

DRA/CJB:cb
2257-0207P

Attachment(s)

P.O. Box 747
Falls Church, VA 22040-0747
(703) 205-8000